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Including this transmittal sheet, document consists of 53 pages.

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From:

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MESSAGE

Re: U.S. Patent Application of Joseph S. Pleva, et al.

Entitled:

ANTENNA CONFIGURATIONS FOR REDUCED RADAR

COMPLEXITY

Filed On:

July 14, 2003

Application No.: 10/619,020

Atty. Dckt. No.:

RTN-147CUS

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PTO/SB/21 (modified) (02-04) U.S. Patern and Trademark Office: U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. Application Number 10/619,020 TRANSMITTAL Filing Date July 14, 2003 FORM First Named Inventor Joseph S. Pleva (to be used for all correspondence after initial filling) Art Unit 2821 Examiner.Name Not Yet Assigned Total Number of Pages in This Submission Attorney Docket Number RTN-147CUS **ENCLOSURES** (Check all that apply) Assignment Papers After Allowance communication Fee Transmittal Form (for an Application) to Technology Center (TC) Fee Attached Appeal Communication to Board Drawing(s) of Appeals and Interferences Licensing-related Papers Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Amendment/Reply After Final Proprietary Information Affidavits/declaration(s) Petition to Convert to a Provisional Application Status Letter Extension of Time Request Power of Attorney, Revocation Change of Correspondence Address Other Enclosure(s) (please Identify below): X Express Abandonment Request Return Postcard; Terminal Disclaimer PTO/SB/08A with five cited references Information Disclosure Statement Request for Refund Certified Copy of Priority Document(s) CD, Number of CD(s). Response to Missing Parts/ Incomplete Application Remarks Response to Missing Parts under 37 CFR 1.52 or 1.53 In the event a petition for extension of time is required by this paper and not otherwise provided, such petition is hereby made and authorization is provided herewith to charge deposit account No. 50-0845 for the cost of such extension. SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Christópher S. Dalv Reg. No. 37,303 v. Crowley & Mofford, Ltp Individual name Signature Date CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on Typed or printed name Chiristopher S. Dalv Signature Date

This collection of information is required by 37 CFR 1.5. The information is equired to obtain or retein a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 38 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the unit of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patentian of Trademark Officer, U.S. Patentian of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE ATRAL FAX CENTER

Confirmation No.: 6396

DCM, LLP

Appl. No. Applicant 10/619,020

Joseph S. Pleva et al.

Filed

July 14, 2003

T.C./A.U.

2821

Examiner

Not Yet Assigned

Docket No.

RTN-147CUS

Customer No.

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Certificate of Mailing (37 C.F.R. 1.8(a))

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Christopher & Dal

Reg. No. 37,303

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents P. O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

It is desired to cite for the record in this application the enclosed documents listed on the attached copy of PTO form PTO/SB/08A (Formerly #1449). The paragraph(s) marked below are applicable to this Information Disclosure Statement.

The enclosed Information Disclosure Statement is being filed: within three [X]months of the filing date, or within three months of the entry of the national stage of the aboveidentified application; or before the mailing of a first Office Action on the merits; or before the mailing of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. Accordingly, Applicant(s) believes that no fee or statement is required.

Docket No. RTN-147CUS

[] (2) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by the fee set forth in 37 C.F.R. § 1.17(p).

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1.97(e)(1)

[] (3) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING A STATEMENT UNDER 37 C.F.R. § 1. 97(e)(2)

[] (4) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56 (c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

Docket No. RTN-147CUS

SUBMISSION UNDER 37 C.F.R. § 1.97(c) INCLUDING STATEMENTS UNDER 37 C.F.R. § 1.704(d) AND 1.97(e)(1)

[] (5) Pursuant to 37 C.F.R. § 1.97(c), the enclosed Information Disclosure Statement is being filed before the mailing date of a final action or a notice of allowance and is accompanied by statements under 37 C.F.R. §§ 1.704(d) and 1.97(e)(1). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement and was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(1)

[] (6) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the accompanying Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of the Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d) INCLUDING A STATEMENT UNDER 37 C.F.R. §1.97(e)(2)

[] (7) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by a statement under 37 C.F.R. § 1.97(e)(2) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that no item of information contained in the accompanying Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the undersigned, after making reasonable inquiry, no item of information contained in the accompanying Information Disclosure Statement was known to

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any individual having a duty of disclosure as set forth in 37 C.F.R. § 1.56(c) more than three months prior to the filing of the accompanying Information Disclosure Statement.

SUBMISSION UNDER 37 C.F.R. § 1.97(d)

INCLUDING STATEMENTS UNDER 37 C.F.R. §§ 1.704(d) AND 1.97(e)(1)

[] (8) Pursuant to 37 C.F.R. § 1.97(d), the enclosed Information Disclosure Statement is being filed on or before payment of the issue fee and is accompanied by statements under 37 C.F.R. §§ 1.704(d) and 1.97(e)(1) and the fee required under 37 C.F.R. § 1.17(p). The undersigned hereby states that each item of information contained in the attached Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application mailed not more than three months prior to the filing of the accompanying Information Disclosure Statement and was not received by any individual designated in §1.56(c) more than thirty days prior to the filing of the accompanying Information Disclosure Statement.

The filing of this Information Disclosure Statement is not a representation by the undersigned as to personal knowledge of the contents of every word or phrase of the material enclosed or that reliance on other suitably trained professionals has not been made.

If a search report of a searching agency is enclosed identifying the nature of the relevance of each document, such a designation is deemed to satisfy Rule 98(a) (3) even if in a foreign language, since the few terms of relevance therein are deemed of universal cognizance. However, Applicant(s) does not necessarily adopt the position reflected by that report.

Docket No. RTN-147CUS

The Commissioner is hereby authorized to charge payment of any additional fees associated with this communication or credit any overpayment to Deposit Account No. 500845.

Dated

Limayoy

Respectfully submitted,

DALY, KROWLEY & MOFFORD, LLP

By:_

Christopher S. Daly

Reg. No. 37,303

Attorney for Applicant(s) 275 Turnpike Street, Suite 101

Canton, MA 02021-2354

Tel.: (781) 401-9988, ext. 11

Fax: (781) 401-9966

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Complete if Known SUPPLEMENTAL Application Number 10/619,020 INFORMATION DISCLOSURE Filing Date July 14, 2003 First Named Inventor STATEMENT BY APPLICANT loseph S. Pleva Art Unit 2821 Examiner Name Not Yet Assigned Sheet Attorney Docket Number RTN-147CUS

Examiner	Cite	Document Number	Publication Date	T DOCUMENTS					
Initials*	No.1	Number-Kind Code ² (F known)	MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pagos, Columns, Lines, When Relevant Passages or Relevan				
		^{US-} 5,949,365	09/07/1999	Wagner	Figures Appear				
		^{US} - 6,137,434	10/24/2000	Tohya et al.					
		^{US-} 6,414,631	07/02/2002	Fujimoto					
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Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.96. The information is required to obtain or retain a banefit by me public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the Individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Tradement Officer, U.S. Department of Commerce, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P. Q. Box 1450, Alexandria, VA 22313-1450.

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